

REO 4000™

THE HIGHEST-PERFORMING DISK-BASED BACKUP AND RECOVERY APPLIANCE

Whether you want to simply add disk to your backup strategy, increase the speed of backup and recovery, implement long-distance, cost-effective disaster recovery solutions or reduce your reliance on tape in the backup process, the Overland Storage REO 4000 is the right solution for you. From an industry leader with over 23 years experience in the data protection business, the REO 4000 is the ideal choice for storage managers who want disk-speed data recovery, a cure for out-of-control backup windows and a way to improve the certainty of completing their backups.

The REO 4000 eliminates the delay, expense and burden of backing up and recovering critical data. It combines the flexibility, ease of integration and cost-effectiveness needed for immediate data recovery with the ability to easily move backup data to tape for long-term retention.

The REO 4000 is a shared storage resource that delivers RAID 5 data protection and logical disk volume management – and it can appear as either disk or virtual LTO-2 tape (or both) to your servers. The REO 4000 works seamlessly within departments, workgroups, SANs or remote locations to cost-effectively protect your critical data using your existing backup software.

REO 4000 features include:

High-speed performance—utilizing 2 Gigabit fibre channel and/or Gigabit Ethernet (iSCSI) technology coupled with the latest in high-performance SATA disk drives, the REO 4000 recovers business-critical data at disk-speeds while helping you complete backups inside your backup window.

Easy integration and expansion—fitting comfortably into existing storage environments, the REO 4000 addresses a variety of capacity requirements – starting at 2 TB and delivering unlimited scalability for additional capacity needs.

Virtualization—allows each virtual device to be configured as a disk LUN or virtual tape drive, enabling storage managers to make “best of breed” technology decisions that most closely match their current and future data protection requirements.

LTO-2 tape emulation—backing up to virtual LTO-2 tape drives eliminates the limitations of disk-based backup faced by many data storage applications. Additionally, data compression helps you make the most productive use of your disk-based backup storage by providing increased capacity (as much as 2x) when operating in tape mode.

Flexible connectivity—the REO 4000 seamlessly integrates into existing Fibre Channel and/or Gigabit Ethernet (iSCSI) storage networks. The REO 4000's Fibre Channel configuration provides the flexibility of using both Gigabit Ethernet and fibre channel interfaces (at the same time, if desired), protecting your technology investment against obsolescence.

RAID data protection—the REO 4000 supplies RAID 5 data protection for storage managers who wish to retain RAID protection at every stage of their disk-to-disk-to-tape backup process, increasing the reliability and availability of mission-critical data.

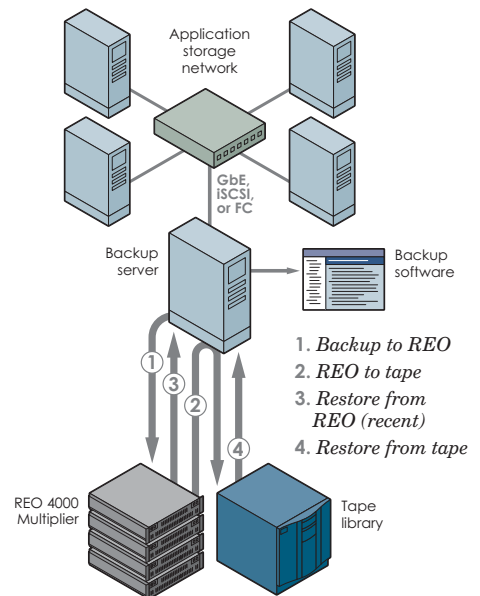
Simple manageability—providing proactive monitoring capability, event notification and remote management capability, the REO 4000 allows you to easily manage your backup and recovery process from a location that's convenient for you.

Increased data availability—with dual power supplies, cooling systems and managed hot-swappable disk drives, the REO 4000 reliably supplies a high level of data availability.

Broad platform support—including Solaris, Windows, Netware and Linux, coupled with support for major third-party software applications, allows the REO 4000 to operate across a broad base of storage environments.



- MINIMUM CAPACITY OF 2TB
- GBE AND FIBRE CHANNEL CONNECTIVITY
- VIRTUAL TAPE DRIVE SUPPORT
- STORES DATA IN DISK OR LTO-2 TAPE FORMAT
- RAID 5 DATA PROTECTION
- SATA DISK DRIVE TECHNOLOGY



REO 4000 SPECIFICATIONS

CAPACITY	<table border="1"> <thead> <tr> <th>REO 4001</th> <th>REO 4002</th> <th>REO 4003</th> <th>REO 4004</th> </tr> </thead> <tbody> <tr> <td>2 TB</td> <td>4 TB</td> <td>6 TB</td> <td>8 TB</td> </tr> <tr> <td colspan="4">Eight 250 GB SATA disk drives per chassis</td> </tr> </tbody> </table>	REO 4001	REO 4002	REO 4003	REO 4004	2 TB	4 TB	6 TB	8 TB	Eight 250 GB SATA disk drives per chassis									
REO 4001	REO 4002	REO 4003	REO 4004																
2 TB	4 TB	6 TB	8 TB																
Eight 250 GB SATA disk drives per chassis																			
Native Capacity																			
PERFORMANCE	Up to 300 GB/hour																		
HOST INTERFACES																			
Hardware	Two GbE Ports (RJ45), One Management Port (RJ45), Two Optional 2 Gb Fibre Channel Ports (LC)																		
Software	16 MB REO SoftKey (standard USB interface)																		
Controllers	Dual RAID controllers, optional Fibre Channel controller																		
Configuration Choices	JBOD, RAID 0, RAID 5																		
LUNs/Virtual Tape Drives	Any combination of LUNs and Virtual Tape Drives up to 16 total																		
POWER REQUIREMENTS																			
Voltage	90 to 120 VAC, 200 to 240 VAC+/-10%																		
Frequency	47 to 63 Hz																		
Current	5A @ 115 VAC, 2.5A @ 230 VAC																		
Power Cord Connector (US)	IEC 60320 C13 connector																		
Power Consumption	Steady state 203 watts; peak power 277 watts																		
ENCLOSURE																			
Dimensions	17 x 27 x 3.5 inches (43.18 x 68.58 x 8.89 cm)																		
Weight	2U rackmount 56 pounds (25.4 kg)																		
ENVIRONMENTAL REQUIREMENTS																			
Humidity	<table border="1"> <thead> <tr> <th>OPERATING</th> <th>NON-OPERATING</th> </tr> </thead> <tbody> <tr> <td>20–80% non-condensing</td> <td>10–95% non-condensing</td> </tr> <tr> <td>10–40° C</td> <td>-40 to 60° C</td> </tr> <tr> <td>50–95° F</td> <td>-40 to 140° F</td> </tr> <tr> <td>-984 to 10,000 feet</td> <td>-984 to 30,370 feet</td> </tr> <tr> <td>-300 to 3,048 m</td> <td>-300 to 12,000 m</td> </tr> <tr> <td>10 G (11 ms half sine)</td> <td>20 G (11 ms half sine pulse)</td> </tr> <tr> <td>.25 G swept sine</td> <td>1.0 G swept sine</td> </tr> <tr> <td>(5–250–5 Hz) no errors</td> <td>(5–250–5 Hz)</td> </tr> </tbody> </table>	OPERATING	NON-OPERATING	20–80% non-condensing	10–95% non-condensing	10–40° C	-40 to 60° C	50–95° F	-40 to 140° F	-984 to 10,000 feet	-984 to 30,370 feet	-300 to 3,048 m	-300 to 12,000 m	10 G (11 ms half sine)	20 G (11 ms half sine pulse)	.25 G swept sine	1.0 G swept sine	(5–250–5 Hz) no errors	(5–250–5 Hz)
OPERATING	NON-OPERATING																		
20–80% non-condensing	10–95% non-condensing																		
10–40° C	-40 to 60° C																		
50–95° F	-40 to 140° F																		
-984 to 10,000 feet	-984 to 30,370 feet																		
-300 to 3,048 m	-300 to 12,000 m																		
10 G (11 ms half sine)	20 G (11 ms half sine pulse)																		
.25 G swept sine	1.0 G swept sine																		
(5–250–5 Hz) no errors	(5–250–5 Hz)																		
Temperature																			
Altitude																			
Shock																			
Vibration																			
AGENCY APPROVALS	UL/TUV, NRTL, CE, CUL (Canada), VCCI Class B/CISPR PUB 22 (Japan), TUV GS (Germany), BSMI (Taiwan)																		
ISCSI INITIATOR SUPPORT																			
Hardware	Adaptec 7211C, Intel PRO/1000T, Qlogic QLA4010C																		
Software	Cisco iSCSI Initiator, Linux iSCSI Initiators, Microsoft iSCSI Initiator for Windows Server 2003™ and Windows 2000™ and Windows XP™, Novell NetWare iSCSI Initiator Contact Overland Storage for the most up-to-date iSCSI certification matrix																		
WARRANTY	One year parts and labor																		

WORLDWIDE HEADQUARTERS

4820 Overland Avenue
San Diego, CA 92123 USA
TEL 1-800-729-8725
1-858-571-5555
FAX 1-858-571-3664
EMAIL sales@overlandstorage.com

UNITED KINGDOM (EMEA OFFICE)

Overland House
Ashville Way
Wokingham, Berkshire
RG41 2PL England
TEL +44 (0) 118-9898000
FAX +44 (0) 118-9891897
EMAIL europe@overlandstorage.com

FRANCE OFFICE

Overland Storage
13 rue Camille Desmoulins
92441 Issy Les Moulineaux Cedex
France
TEL +33 (0) 1 58 04 25 50
FAX +33 (0) 1 58 04 26 36
EMAIL europe@overlandstorage.com

GERMANY OFFICE

Humboldtstr. 12
85609 Dornach
Germany
TEL +49-89-94490-214
FAX +49-89-94490-414
EMAIL europe@overlandstorage.com

ASIA PACIFIC REP. OFFICE

Level 44, Suntec Tower Three
8 Temasek Boulevard
Singapore 038988
TEL +65 6866 3848
FAX +65 6866 3838
EMAIL asia@overlandstorage.com

WWW.OVERLANDSTORAGE.COM